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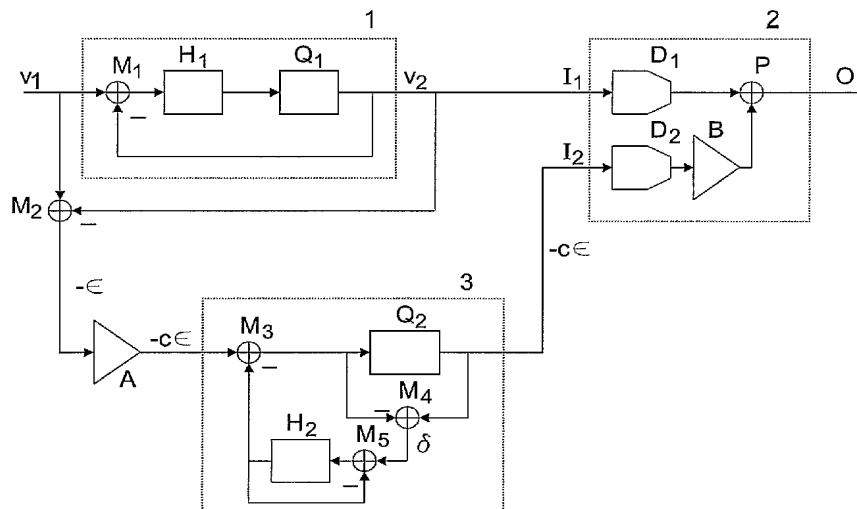
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[Continued on next page]

(54) Title: A DA-CONVERTER SYSTEM AND A METHOD FOR CONVERTING A MULTI-BIT DIGITAL SIGNAL TO AN ANALOG SIGNAL



(57) Abstract: A DA-converter system comprises the cascade of a multi-bit sigma-delta modulator and a DA-converter. The quantization noise of the sigma-delta modulator is isolated, the isolated quantization noise is word-length reduced in a second noise shaper with frequency independent signal transfer function and the isolated word-length reduced quantization noise is subtracted from the quantization noise of said cascade. Preferably the isolated quantization noise is amplified before and attenuated after the second noise shaper.

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